

# Human CD82/KAI-1 (His Tag) recombinant protein



Catalog Number: 500535

## General Information

### Gene Name Synonym

C33 antigen; IA4; Inducible membrane protein R2; Metastasis suppressor Kangai-1; Suppressor of tumorigenicity 6 protein; Tetraspanin-27

### Protein Construction

A DNA sequence encoding the second extracellular domain of human CD82 (P27701-1) (Gly 111-Leu 228) was fused with a polyhistidine tag at the C-terminus and a signal peptide at the N-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Purity

> 90 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Gly 111

### Molecular Mass

The secreted recombinant human CD82 consists of 129 amino acids and has a predicted molecular mass of 15 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of the protein is approximately 25-33 kDa due to glycosylation.

### Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

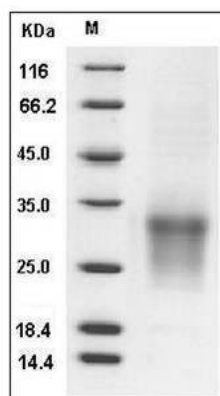
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human CD82 / KAI-1 Protein (His Tag) SDS-PAGE